SAMS-E

Standard Army Maintenance System-Enhanced

System Description

SAMS-E will enhance ULLS-G, SAMS-1, and SAMS-2 by incorporating the Windows graphical user interface (GUI) operating systems (Windows 2003/XP), which satisfies HQDA G3/NETCON Directive to move all systems off MS DOS, Windows 2000 and Win NT; and to merge ULLS-G functionality into SAMS-1. This effort is a maintenance systems modernization initiative which complies with the Chief of Staff of the Army's "Good Enough" guidance which allows SAMS-E to act as a bridge between current functionality and the Enterprise Resource Planning (ERP) solution.

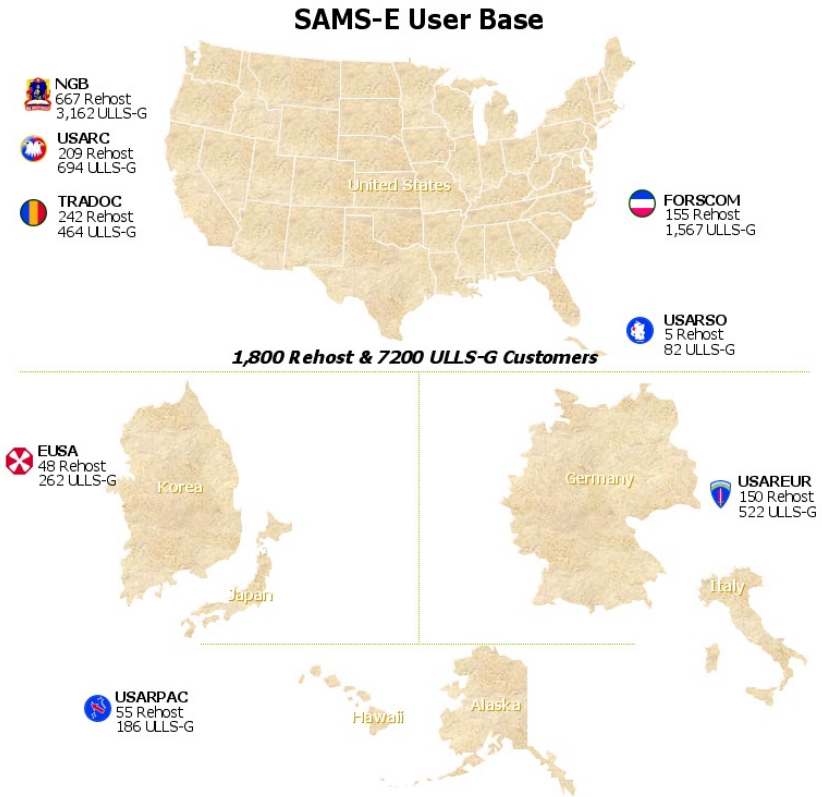
SAMS-E automates unit level supply, maintenance, readiness and unit status reporting functions; and day-to-day weapon system and sub-component readiness status, maintenance and related repair parts information, and management functions from the tactical direct support (DS)/general support (GS) level maintenance activities and the support Field and Sustainment Maintenance concept (Two Levels of Maintenance).

SAMS-E consists of both SAMS-1E & SAMS-2 applications and supports Combat Services Support (CSS) Table of Organization and Equipment (TO&E) organizational level maintenance elements, DS/GS maintenance shop production activities and is considered a mission critical system. For maneuver units, the SAMS-E systems are located at consolidated company and separate company level; collocated at the battalion level; for combat support and combat service support elements the SAMS-E systems provide consolidated maintenance and repair parts data and are located at the Field Maintenance Teams (FMT), Forward Support Companies (FSC) within the Unit of Action (UA) Maneuver Battalions, Field Maintenance Companies within the Maneuver Brigade Support Battalions (BSB), Separate Battalions and Brigades, and Sustainment Brigades, Units of Employment Sustainment Base Component Repair Companies (CRC), Support Maintenance Companies (SMC), and UE_x and UE_y materiel management organizations.

Software/Hardware Platform

Software

The ULLS-G, SAMS-1 and 2 Windows 2000 application software will be upgraded to run on a laptop platform under Windows 2003/XP. Its basic functionality and interfaces have remained unchanged except to merge ULLS-G functionality into SAMS-1 (resulting into SAMS-1E). Visual Studio.Net is being used to upgrade SAMS-1E and SAMS-2; C Sharp (C #) is the source code language; and Oracle is the relational database, object oriented techniques, that will run on the end users' computers with the Microsoft Windows 2003/XP operating system. Oracle allows for full scalability of one to several users at each site. Pure client users will not need to load the Oracle software.



Hardware

The SAMS-E's tactical hardware platform uses commercial off-the-shelf (COTS) microcomputers purchased from standard indefinite-delivery/ indefinite-quantity (IDIQ) contracts. The hardware configuration consists of notebook or desktop PC- CPU (current Pentium IV central processing unit available) with CD-ROM, modem, LAN connection, Floppy Disk Drive, and USB ports, monitor, printer, and a transit case.

Telecommunications

All SAMS-E tactical communications will be supported by Mobile Subscriber Equipment (MSE) and Tri-Service Tactical Communications System (TRI-TAC); operating levels are designed and File Transfer Protocol (FTP), Local Area Network (LAN), and magnetic media as a secondary means of communications.

Security

SAMS-E processes sensitive but unclassified data, which is information that must be protected primarily to ensure data availability and integrity, and operates in the System High mode of operation.

Benefits

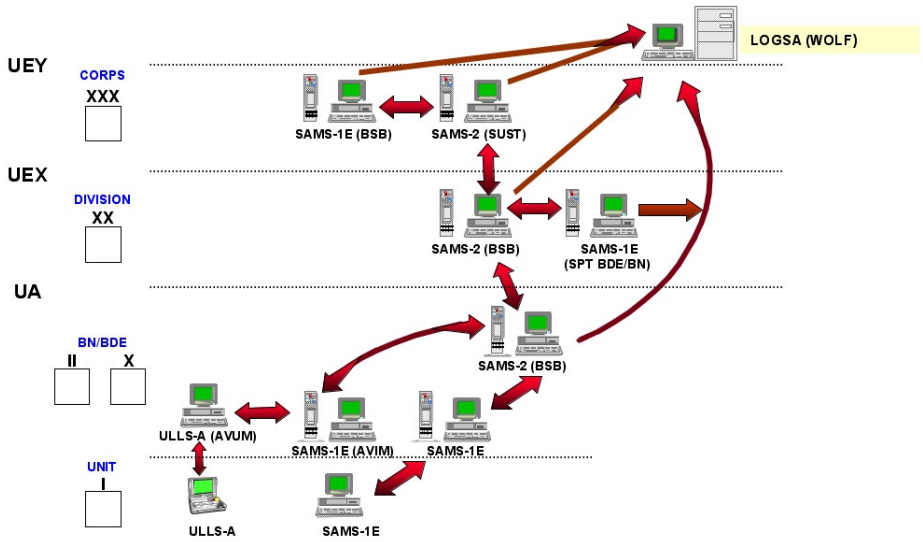
SAMS-1E and SAMS -2 will establish system security usage and permissions for each individual; be operational on a notebook computer; and maintain the current interface functionalities except for the obsolete functions i.e. OSC, SARSS Gateway Switch, and QSS.

SAMS-1E consists of ULLS-G unique processes and processes that are in both ULLS-G and SAMS-1. SAMS-1E eliminates duplicate processes, but includes critical unit level functions of equipment operator and qualification, equipment dispatch, equipment PMCS, scheduling and recording, equipment fault records, ORGWON generation, AOAP, and AMSS reporting. SAMS-1E allows multiple UIC/DODAAC and stock storage in multiple locations. Additionally, SAMS-1E

- Considers all repair parts as Shop Supply with multiple storage locations
- Uses both FEDLOG and the SARSS catalog update
- Results in the SAMS-1E document register becoming the only supply register
- Identifies units as either direct or indirect (supported customer)
- Generates a work order automatically when an operator level fault is initiated and part received
- Generates a work order automatically for all deadline faults
- Changes management of unit data from DODAAC based to UIC based selection & entry
- Retains the man-hour accounting on/off switch as an option in the event of deployment

The various security features and Win 2003/XP templates and settings will be documented for the System Security Authorization Agreement (SSAA) to achieve an Interim Approval to Operate (IATO), required for a system Net worthiness certification. The PM LIS Test and Integration Facility at Fort Hood will perform the final software testing. All software/ documentation delivered to the government are designated as property of the government.

Galaxy Scientific Corporation is the SAMS-E development contractor; and Team Galaxy's primary subcontractor is McLane Advanced Technologies (MAT), whose parent company is McLane Group, in Temple, Texas.



Fielding Status

The enhanced software is scheduled for delivery to the government for integration, security, and software acceptance testing NLT 11 March 2005. SAMS-E will replace the 7,200 ULLS-G systems and 1,800 SAMS-REHOST systems operating at locations throughout the Army, Army National Guard and Army Reserves. Fielding is expected to start in 4QFY05.

Project Manager Logistics Information Systems (LIS)
COL David W. Coker, QM

Assistant Product Manager, ALIS
LTC Mae King

Project Officer SAMS
Mr. Patrick McChargue
mcchargc@lee.army.mil

DEPT OF THE ARMY
Project Manager,
Logistics Information Systems
ATTN: SFAE-PS-RS
800 LEE AVENUE
FORT LEE, VA 23801-1718

TEL: *COMM: 804-734-7689*
DSN: 687-7689
FAX: *COMM: 804-734-7553*
DSN: 687-7553

www.pmlis.lee.army.mil

Last updated: 20 October 2004